identSNAPSHOT

User Manual

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PridaNet

identSNAPSHOT

SIEMENS

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1. Installing the program

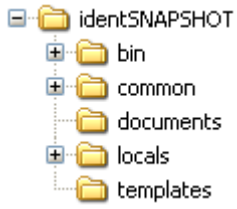
1.1 Preconditions

You PC should have, as a minimum, a

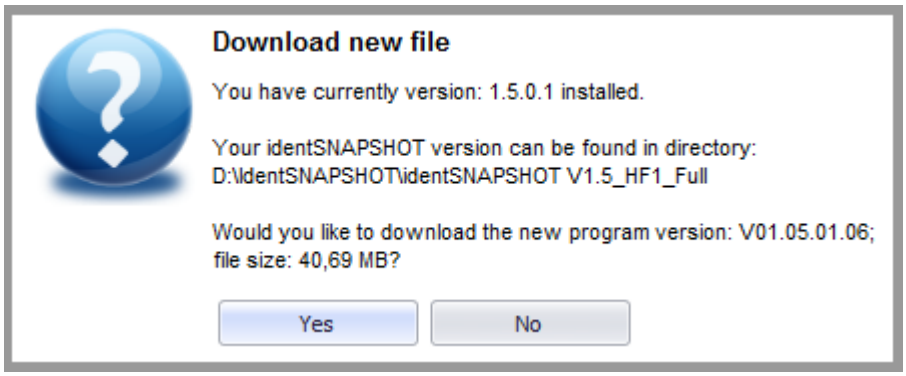
- Processor: Pentium 4; 1.0 GHz or comparable
- Work memory of 1 GB or more
- Free hard disk memory of 80 MB
- Graphics card: 32 MB RAM and 32 bit color depth
- Screen resolution of 1024 x 768 or better
- Operating system, Microsoft Windows XP SP3, Microsoft Windows Vista SP1, Microsoft Windows 7 or Microsoft Windows 8
- Microsoft Excel 2003, Microsoft Excel 2007 or Microsoft Excel 2010
- Microsoft .Net Framework Version 4.0 (or higher)

1.2 Installation

To install this program, unzip the "identSNAPSHOT.zip" file into any local drive and subdirectory of your computer. In order to save the user specific configuration data, it is necessary to have unlimited write access on this directory. It is not possible to install this program on a network drive. When extracting, the specified folder structure is created with all of the necessary files.



This completes the installation. An additional installation e.g. using a Setup.EXE is not required.
Several program versions can co-exist on your computer. However, the name of the program version must be different, e.g. identSNAPSHOT V1.3 SP3.
From software release V1.5, when powering up, a check is made for a more recent software version of identSNAPSHOT. If yes, then you are asked if you wish to make an automatic update. An online connection is required to do this.


Download new file
You have currently version: 1.5.0.1 installed.
Your identSNAPSHOT version can be found in directory:
D:\IdentSNAPSHOT\identSNAPSHOT V1.5_HF1_Full
Would you like to download the new program version: V01.05.01.06;
file size: 40,69 MB?
Yes
No

If you agree, the update is downloaded and subsequently installed. For the appropriate settings, also see, "Setting the configuration".

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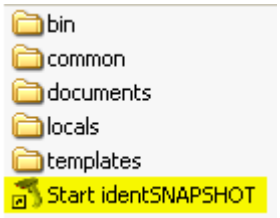
If a program update is to be carried out via download, your address data must be entered under "***My address"*** for registration. Data that has already been entered is saved and re-used in the case of further downloads. The mandatory data fields are marked with *.

2. Starting identSNAPSHOT

You can start the program by double-clicking on the "Start identSNAPSHOT" file or using a link, which you can place on your desktop.



or

Start options, see Chapter "Setting the configuration"

3. Functionality

3.1 This software offers you the possibility of:

- Generating and saving an XML file for a specific machine and uploading it to iBase **S**ervice **P**lattform **I**ndustrie
- Assigning address data of all of the companies involved in the manufacture, distribution and operation of this machine
- Loading, modifying and extending existing XML address files
- Loading an existing parts list, e.g. in Excel or XML format
- Manually changing machine parts lists or entering with a scanner and extending
- Writing an electronic machine logbook

3.2 Program menu

3.2.1 Selecting a language

One of the listed operator interface languages can be selected using the ***"Language"*** button.

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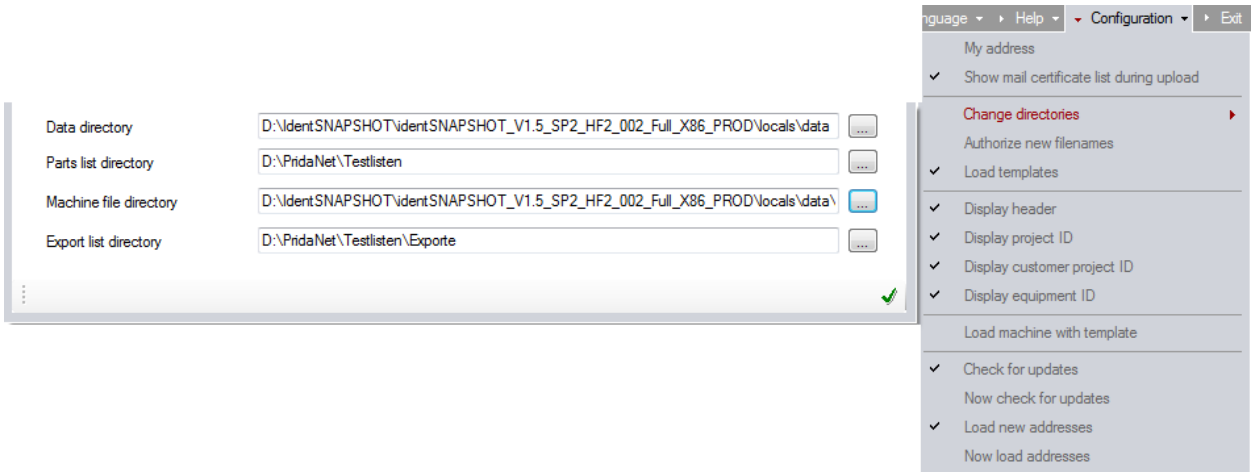
3.2.2 Calling the help function

With ***"Help"*** you obtain information about the software version of this program and its Operating Manual.

3.2.3 Setting the configuration



- ***"My address"*** will open the input window for the registration data and mail addresses.
- If ***"Display mail certificate list during upload"*** has been activated, the mail list will be displayed before each upload. The default setting is activated.
- Via ***„Change directories“*** you can define where the data used and generated by this program can be saved. You may define the folders for machine file (iBase **S**ervice **P**lattform **I**ndustrie), parts list, data (address and machine templates) and export separately. This allows access to the same data to several users. For example when stored in a common network drive.
- With ***„Authorize new file names“*** you can preselect if saving of changes in address data should always be done in the original file or if a new file should be created. Default inactive.
- As start option, it can be defined as to whether existing machine type and address data should be automatically loaded from the existing XML files while the program starts. This is activated by setting the check mark under ***"Load Templates"***. Default active.
- The program header can be displayed or hidden by using the ***”Display header”***.
- The relevant text box or selection box can be displayed using ***"Display project ID", “Display equipment ID”*** and ***"Display customer project ID"***. The display is activated as the default setting. Default active.
- If the ***"Load template data"*** option is set in the configuration, then address data, machine type, project ID and additional parts list components are read from the preselected template data and other data from the loaded machine file when importing with *"Load machine file (with template)*". Default inactive.
  Preconditions:
  Before loading the machine file, an address, a machine type or a project ID must be selected from the respective drop-down list.
  OEM address, country of final destination for end user address and machine type are mandatory fields and must be filled in.
  If the ***"Load template data"*** option has been activated, the address data and machine types can no longer be edited (write-protected).
  If there is <u>one</u> valid parts list file in the "Parts" directory, then these parts list components are added to the already available parts list without checkback.

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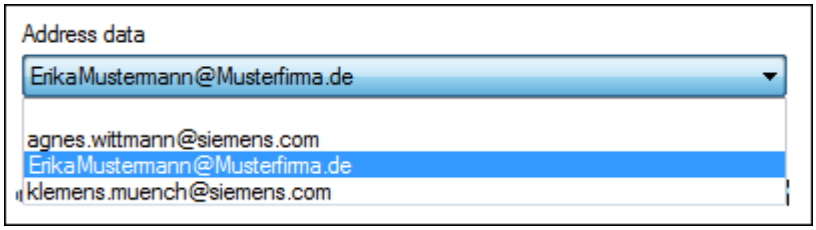
The project ID is only overwritten when the *"Show project ID"* field has been switched to visible.
An appropriate message is displayed if data is missing or incorrect.
Fields that are not filled with data from the templates are overwritten with data from the machine file.

- When the program is started, a check is made on the server as to whether a new program version is available. This function can be enabled or disabled using ***"Check for updates"***. Default active. The update check can be manually started at any time with ***"Now check for updates"***. The precondition for a successful download is that your computer is connected to the Internet at this time and your address data has been completely entered under ***"My address"***. Also refer to the Chapter "Installation" and "Registration".

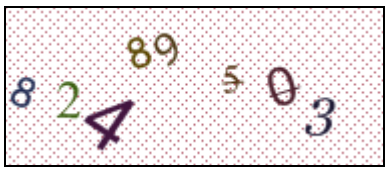
- From a central database, using ***"Load new addresses"*** addresses dependent on the user can be loaded when powering up. This address data is provided by your Siemens partner. Default active. You can now start to download the address data at any time using ***"Now load addresses"*** . Also for this function, you need an Internet connection and you must register.

3.2.4 Registration

You must first register in order to upload data into the iBase **S**ervice **P**latform **I**ndustry database using identSNAPSHOT. You only have to register once before the first upload. All of the required data are saved locally on your PC. Several users can register at one PC, and therefore use identSNAPSHOT without any restrictions.
The user can make a selection from the address data list and therefore activate his user data. This is important, as feedback and the upload certificate are sent to this mail address.



With "***My address"*** under **"Configuration"** or with **"Machine infos upload"**, if you have still not registered, the window to manage your user address is opened. Here, an already existing user address can be selected, or a new one created.
If all of the required address data have been entered (marked with* and written in red), then with **"Save"** and with **"Register"** you can transfer these to identSNAPSHOT for registration. At the same time, the input fields to enter your user ID are opened. At this time, your PC must be online and connected with the Internet.
As response, you receive an e-mail from the identSNAPSHOT registration with your user ID in the form of a graphic.

The numerical sequence 82489503 is shown here as example 

These digits must be entered in this sequence into the input field ***"ID" and "Confirm ID"***. The registration is completed with "***OK"***. If the registration was successful, the e-mail address has a gray background.
The user ID is then permanently assigned to this e-mail address, and the e-mail address can no longer be changed.

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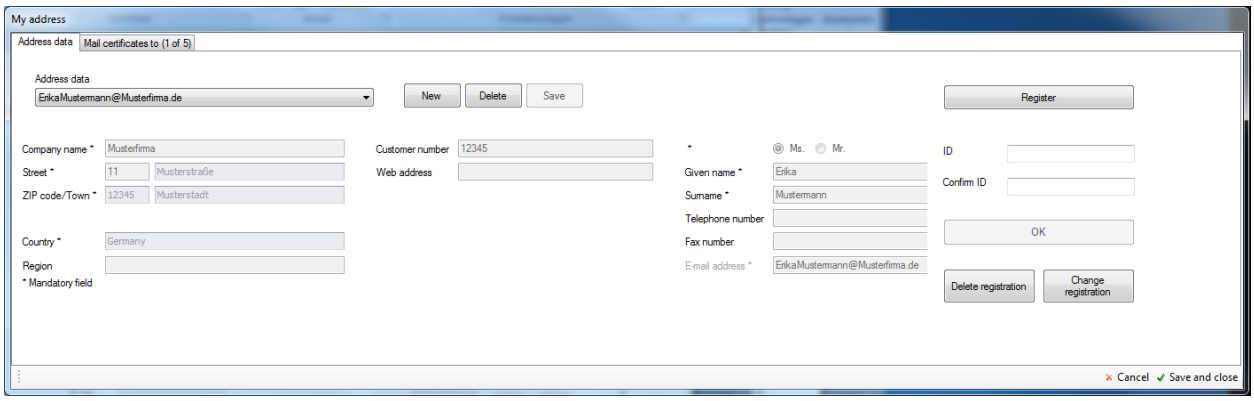
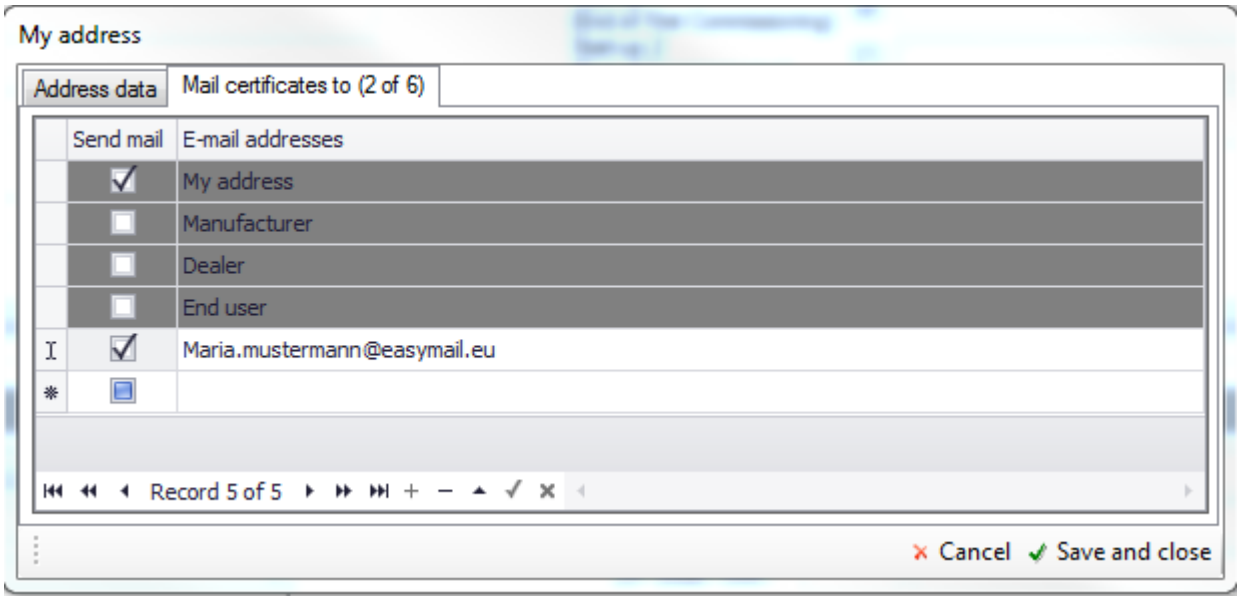
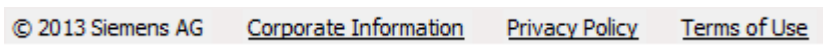


In the future, if you no longer wish to upload data to your iBase **S**ervice **P**latform **I**ndustry database, the you can delete your registration data from the identSNAPSHOT registration with **"Delete registration"**. If it is necessary to change your data, you can use "***Change registration"***.

In the ***"Mail certificate to"*** tab under ***"my address"*** it is possible to save several e-mail addresses for feedback purposes. The default setting includes the e-mail addresses of the manufacturer, dealer and end customers from the address lists, but they are not activated. The e-mail address of the registered user is also pre-assigned and activated. The corresponding address is activated in the *"Send mail"* column. The active number (e.g. 2 of 6) is shown in parentheses in the tab header.



If the "***mail certificate"*** option is set for your user ID, then after each successful upload, all the active e-mail addresses receive feedback in the form of an e-mail about the notified SIEMENS products, including a current product status information in the form of a "*Lifecycle Information Services Upload Certificate"*.
Before each upload, this option can be activated or deactivated. This does not influence your registration, and this always remains active.
For information regarding data privacy, please refer to the corresponding Internet pages, which you can access online by pressing the appropriate buttons.



3.2.5 Exiting the program

The program is closed using ***"Exit".*** If changed data have not been saved yet, a message is displayed asking if they should be saved.

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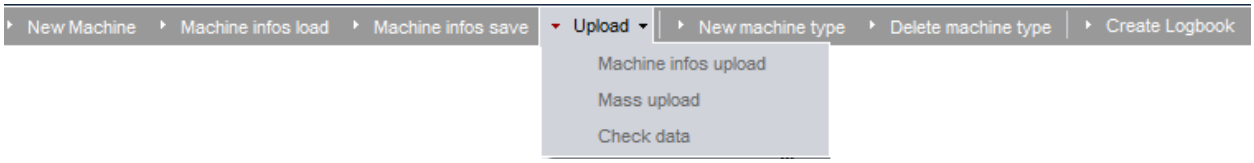
3.3 Function menu



3.3.1 New Machine

If data from several machines are to be input one after another, then the input fields are deleted with this button and activated for new data.

3.3.2 Loading a machine file

This button ***"Machine infos load"*** allows you to load an existing machine file to process its data. The associated folder is opened where you can then select the required file.
Machine name, Machine type, commissioning date 1 and Plant ID cannot be altered any more.
For special functions when loading files and supplemented standard data, see "Setting configuration data", Section "Loading template data".

3.3.3 Generating a machine file

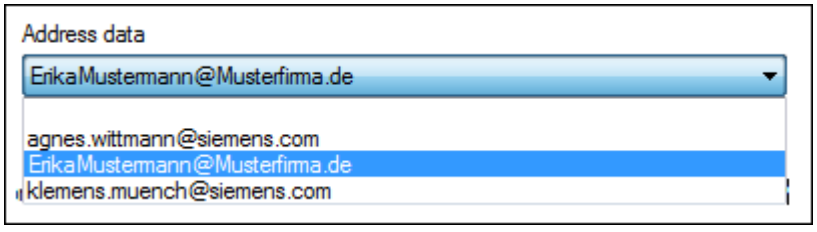
All previously entered data associated with an XML file are combined and saved in the required folder by pressing the ***"Machine infos save"*** button. If data that are absolutely necessary have still not been entered, then a message is displayed indicating which data is still missing. ***"MACHINE_FILES"*** is recommended as the folder where data can be saved; however, any other folder can be selected.

3.3.4 Upload

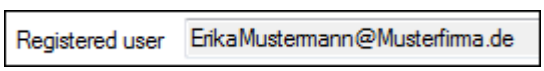
Here, you have the option of selecting between various uploads and checks. An Internet connection is always required for all upload services.

3.3.4.1 Uploading a machine file

After a machine file was generated, this can be uploaded to iBase **S**ervice **P**lattform **I**ndustrie using ***"Machine infos upload"***. In order to upload data, your PC must have an Internet connection, as data is transferred to iBase **S**ervice **P**lattform **I**ndustrie online. A message is displayed if your PC is not online and connected with the Internet.
If an identification has not been successfully performed, the input field ***"my address"*** is first opened to perform an identification (see Chapter, Registration).
If the PC is used by several users to upload data, then you should ensure that you have activated your self as user. You can select this in the address data list under ***"Configuration", "my address"***.



Your mail address is displayed in the "Registered user" display field after the selection has been made.



This is important, as feedback and the upload certificate are sent to this mail address.

Before transferring data into the iBase **S**ervice **P**lattform **I**ndustrie database, a web service checks as to whether all SIEMENS article nos. (MLFBs with a checkmark) are valid. If invalid article numbers (does not exist in PMD or PridaNet) are identified, for instance, due to a typing error, then a message is output listing the article numbers that are involved.

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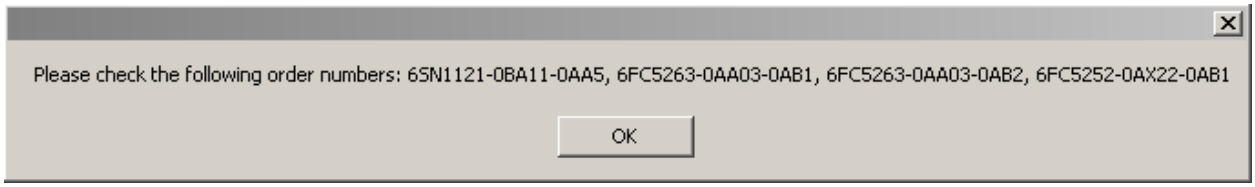

Please check the following order numbers: 6SN1121-0BA11-0AA5, 6FC5263-0AA03-0AB1, 6FC5263-0AA03-0AB2, 6FC5252-0AX22-0AB1
OK

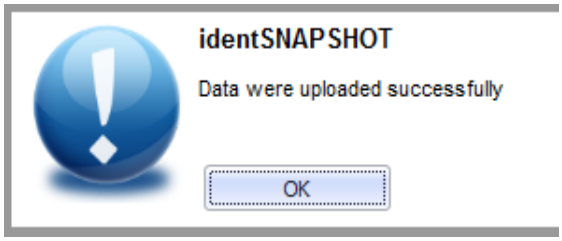
These are also highlighted blue in the list and marked with Legend 1. These can be sorted by clicking on the column heading "Legend". This has the advantage that all unknown elements are available in one block.

5	☑	6FC5370-7AA00-0AA0	T-P30050000	Control_Unit_1
6	☑	6SL3130-7TE21-6AA9	T-W22078700	Line_module_2
7	☑	6SL3120-1TE23-0AA3	T-W22090651	Motor_Module_3
8	☑	6SL3120-1TE21-0AA3	T-W32004206	Motor_Module_4
9	☑	6SL3120-2TE21-0UA3		Motor_Module_5
10	☑	6AL3120-2TV21-0AA3		Motor_Module_6
11	☑	6SL3055-0AA00-5MA0	T-W32003576	SMI20_7

Please check these for correctness and correct if necessary.
Then restart upload. If this leads to new errors, remove the ticks from these article numbers for the SIEMENS part so that they will not be checked. The lines with "non-Siemens" components are also displayed in gray. In exceptional cases it may happen that certain article numbers are not known in the databases.

If items only containing a serial number but not an article number are available in the list, they will be supplemented – if available – by a Web service prior to the data upload.

The following message is output after a successful upload:



If your e-mail address is set in the ***"my address"*** field in the ***"Mail certificates to"*** list (check mark in the *"Send mail"* column) you receive feedback after each successful upload about the notified Siemens products, including current product status information in the form of a "*Lifecycle Information Services Upload Certificate"*. This option can be activated or deactivated before each upload.

3.3.4.2 Mass upload

To upload a high number of machine files, these must be made available in a separate folder. We recommend that the machine files are first checked using "***Check data***" (see the next chapter) in order to achieve the lowest possible error quota. The following window is opened after selecting "***Mass upload"***.

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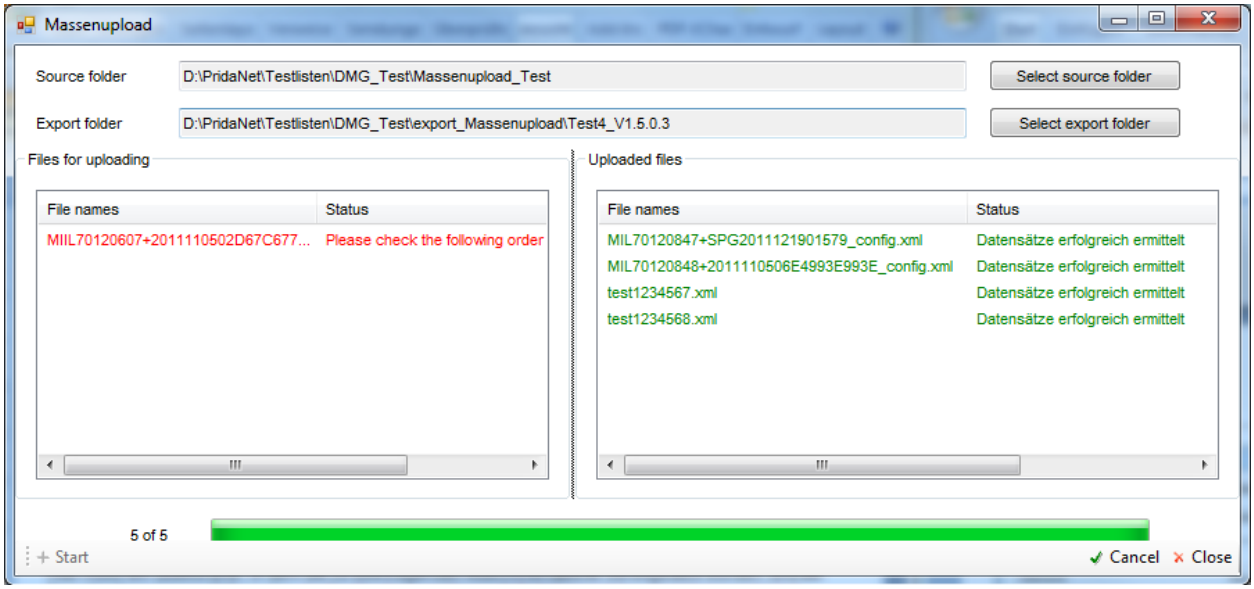


Here, a source folder, in which the machine files to be transferred were made available, and an export folder must be selected. The source folder also includes files in subdirectories. The upload is started by pressing the "***+ Start"*** button. As long as the upload is active, the "***Close"*** button has a gray background, and has no function. The upload of the current file is completed and the mass upload interrupted by pressing "***Cancel"***. The files still to be transferred are black in the "*Files for uploading*" field and the files that were interrupted with error, are shown in red. The files that were transferred error-free are shown in green in the "Uploaded files" field. After exiting or canceling the mass upload, these are saved in the export folder. A log file is also saved with the status of all files.

```
MIIL70120607+2011110502D67C677C67_config _28.02.2013.xml        Bitte überprüfen Sie folgende MLFB's: 3RH2131-2BB40, 3RH291
MIL70120847+SPG2011121901579_config.xml Datensätze erfolgreich ermittelt
MIL70120848+2011110506E4993E993E_config.xml     Datensätze erfolgreich ermittelt
test1234567.xml Datensätze erfolgreich ermittelt
test1234568.xml Datensätze erfolgreich ermittelt

Perios: 0 h 1 min 9 sec
```

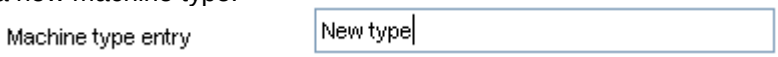
Other functions in IdentSNAPSHOT are not possible when the mass download is active.

3.3.4.3 Check data

Using ***"Check data"*** the actual parts list is checked for errors using a web-based service. Lines without any errors remain black, for gray lines, the check mark in the "Siemens Part", is removed and blue indicates unknown Siemens parts. This means that it is now possible to identify and remove errors in machine parts lists without having to first upload.

3.3.5 New machine type

After pressing this button, the input field ***"Machine type entry"*** is opened, and closed again after input of a new machine type.



If this new machine type is to be saved in the file provided for this, saving of the machine types is required after input.

3.3.6 Delete machine type

Using this button you can delete the selected machine type in the list ***"Machine type selection"***.

If a machine type is to be deleted from the file provided for this, saving of the machine types is required after deletion.

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3.3.7 Create log

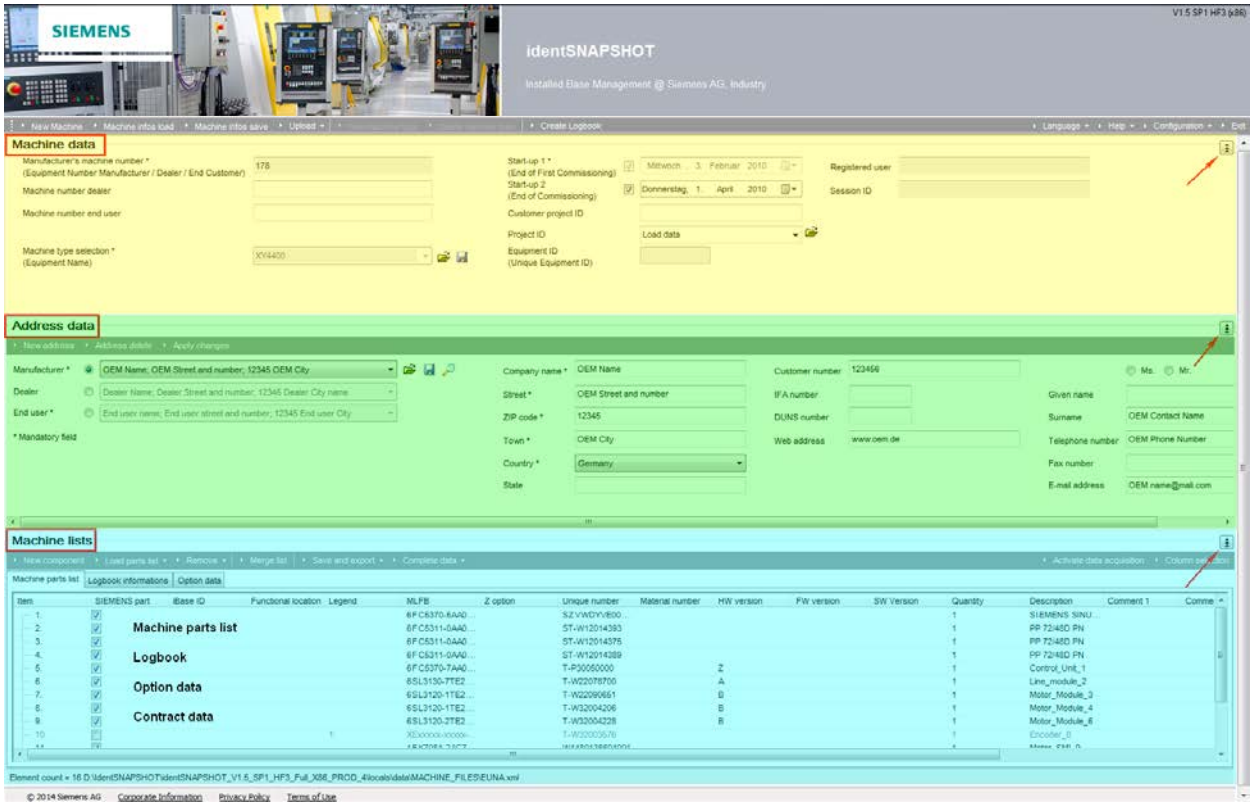
With this function you can create the complete machine log in PDF format. As contents, all data of the machine file are considered, such as machine, address, parts list data and log entries. Please see the Chapter “Machine log”.

3.4 Structure of the input screen

The screen is subdivided into three areas:

- Upper area (yellow frame):
  Machine name, machine type, commissioning data
- Center (green frame):
  Address data of the OEM, dealer and end customer
- Lower area (blue frame):
  Machine parts list data, logbook informations, option data, contract data

The area fields can be opened and closed using the button (top right) in order to make it easier to work with the small displays.



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4. Data input

4.1 Machine data

- The "machine name" is directly written as text into the input line. Optionally, various machine names of OEMs, dealers and end customers can be allocated. The machine name can be a combination of numbers and letters.
- The machine type can be selected from the drop-down list box ***"machine type selection".*** If no data were loaded into the list, then load this data from the "ma_types.xml" data with . If the required machine type is not in the list, then a new machine type can be entered in ***"Machine type input"***. The input is completed using the Enter key at your PC so that the data that has been entered is accepted. A red exclamation mark is then displayed in the display . If the data that have been newly entered is also to be saved in "ma_types.xml", then press the button. The red exclamation mark disappears again after saving.

- For the machine, as a minimum, the date when it was first commissioning at the OEM should be specified. If the machine was commissioned at the end customer, then the date for the second commissioning must be set. The operating system language of Windows that is being used defines the language in which the calendar is displayed.

  The date must be actively selected and subsequently appear gray. Only then will it be included later when generating the XML file. Once it has been selected, it is write-protected and cannot be changed again.
  When a previously generated XML file is read, the commissioning date 1 is immediately marked write-protected. It is now only possible to set commissioning date 2.

- In the selection box ***"Project ID",*** a project ID, already defined and saved in an XML file ,can be selected. This ID is used to identify special machines and to combined them to create a service project. Siemens centrally assigns these project IDs, and when required, they can be requested from the responsible sales person. Structure of the ID "<Customer><Country><City><Number>". It is not possible to make a direct, manual input directly into identSNAPSHOT. The file is encrypted and cannot be edited.
  You can add a project file by pressing the "Open folder" button.
  Several project files can be imported. The file activated via the selection menu is always valid for the current project (this is visible in the display field).

- Customer-specific project IDs can be freely entered into the ***"Customer project ID"***.

- The unique ID number is saved in the **"Equipment ID"** field under the **S**ervice **P**latform **I**ndustry.

  Displaying the ID fields can be activated under ***"Configuration"***.
  The project ID data are saved in the machine file and also transferred to iBase **S**ervice **P**lattform **I**ndustrie.

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4.2 Address data

4.2.1 Loading and selecting addresses

Here, all data of the OEM, dealer and end customer addresses can be managed. Address data is saved in the particular XML files of these groups and can be loaded from these, changed and also saved. The functionality and handling corresponds to the previous chapter for the machine type.

After loading the address data, initially no address is selected; this is selected by opening and clicking on the appropriate address.

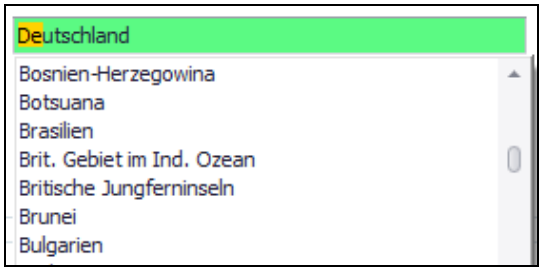
The address group that is to be processed can be selected using the button . The associated address data are displayed in the input fields corresponding to this group selection and which address was selected from this group.
The **"Name"** of an address must be unique for each group and cannot be allocated twice. For instance, the same OEM company cannot exist twice.
A final destination country can be selected even without further final destination data, and can be saved when generating the machine file.

The address displayed in the selection field comprises the company name, street, postal code and city. The appropriate data must be entered into these fields. If a value is missing, the new address cannot be displayed as this would otherwise be incomplete. If there is no zip/postal code, for instance, then a space can be entered instead.

An existing address can be deleted from the address list of the selected address group using ***"Delete address"***. After this, do not forget to save.

4.2.2 Editing addresses (to be available soon)

Empty input fields are offered for data input in "***New address***". Data input can be finalized in each field using the enter key.
If your PC is connected to the Internet, the entry is supported by an entry and correction Wizard when entering company name, street name, postal code, city name and country.
When entering a new address, a country should first be selected from the country list. After pressing ***"New address*** the country list opens and you can select the required country. A country can also be selected by entering the first letter of the country.



In the next step, the postal code or the city name is entered; the postal code provides faster and more reliable results and should therefore be the preferred approach. After entering 3 or more characters, the wizard provides supports with a selection list from which you can select the correct city/town, possibly with region and postal code.

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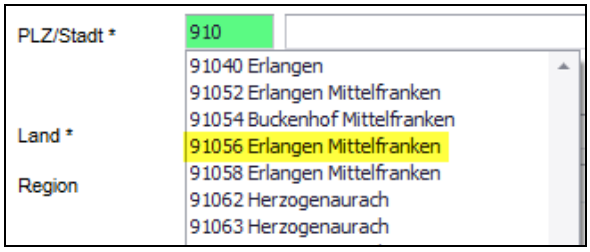
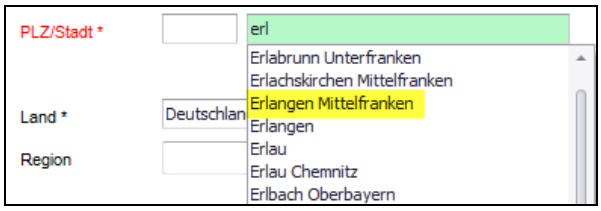
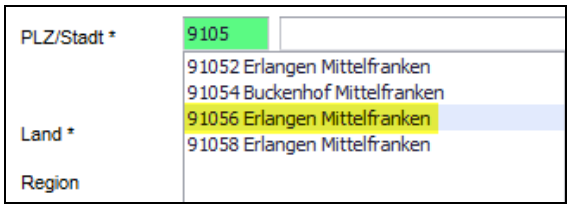
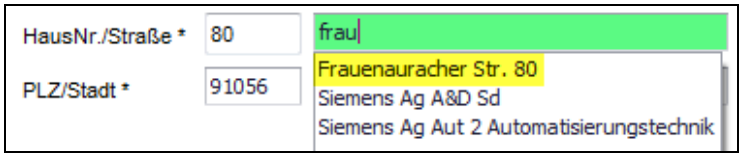


When entering city/town names it is possible that two selection lists are displayed one after the other. The reason for this is that identified city/town names can be duplicated, therefore reducing the chance of selecting the correct one. While data is being queried, data entry in the input fields is locked for several seconds.

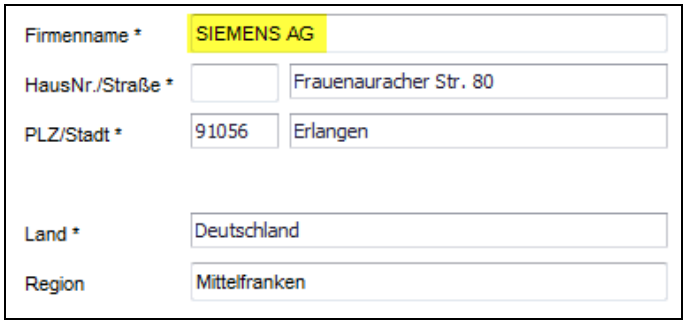




The street name can be entered once the city/town and postal code have been identified. The input wizard provides support just the same as for the city/town names. The street number should be entered before entering the first letter of the street name. After 4 letters have been entered, streets with the initial letters that have been entered in this city/town and postal code area are listed.
Already known company names with postbox addresses etc. can also be included in the selection list.
After selecting a street, the street number is added to the street name in the syntax of the particular country and cleared from the input field.



Finally, the company name is entered. Also in this case, already known company names are listed as suggestion. The approach is the same as for the street names.



The advantage of entering addresses with support provided by the address Wizard is that only real, validated addresses are created and assigned your data. This avoids duplicated addresses as a result of different notations.
It goes without saying, that if the correct cities/towns, streets etc. are not provided in the section list, then the address can be completely manually entered.
All other data, such as customer number, names of contact persons, telephone numbers etc. must be manually entered.

For the new address data to be inserted into the address select list, a red exclamation point appears. Confirm the input with ***"Apply changes"***. If the data is not yet complete, Input fields marked by a star symbol, the button is highlighted gray and cannot be selected.

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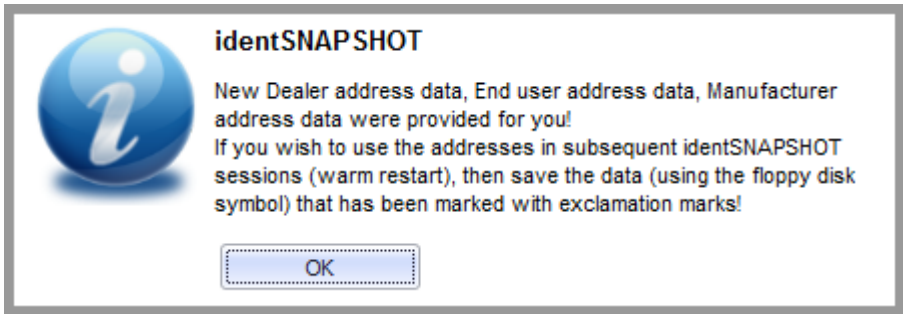
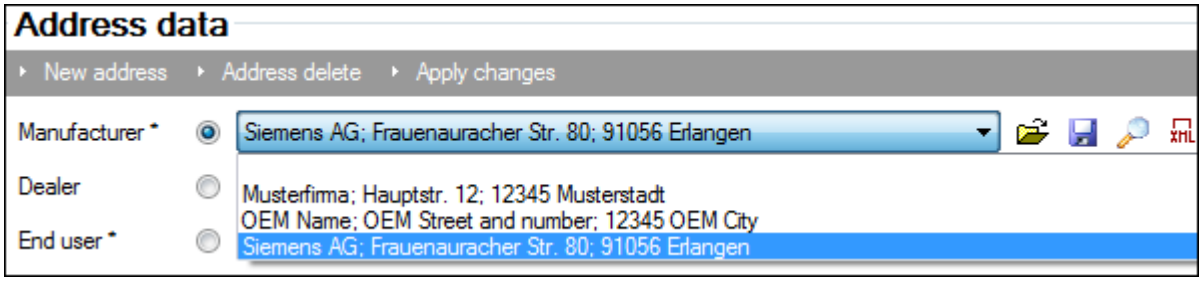
4.2.3 Managing addresses

In order to allow address data to be simply exchanged between several people in a company or organizational unit, SIEMENS provides a central address database function. The advantage here is that a new address only has to be entered once, and anybody that requires it can use it directly. If a person creates a new address, then this can be centrally saved and used by everybody else.
If somebody is a member of an appropriate user group, then when starting the program he receives a message if new addresses or machine types have become available for his particular user group.


identSNAPSHOT
New Dealer address data, End user address data, Manufacturer address data were provided for you!
If you wish to use the addresses in subsequent identSNAPSHOT sessions (warm restart), then save the data (using the floppy disk symbol) that has been marked with exclamation marks!
OK

The prerequisite is that a user group has been setup and the registered identSNAPSHOT users defined. Appropriately authorized SIEMENS personnel in the region can do this.
A red exclamation mark indicates that new address data are still not in the local address file that has been saved on your PC.

This disappears as soon as the data have been locally saved by clicking on the floppy disk symbol.



The new addresses are then available as usual in the selection list.

This function is only available when online through an Internet connection.
The provision of addresses can be activated or deactivated using the configuration menu ***"Subsequently load new addresses"*** . Calling up new addresses is possible at any time online by selecting ***"Subsequently load addresses now*** .

Addresses are also transferred when loading a machine file. A comparison is made to addresses that have already been saved. If an address is not available, it is transferred into the list and the ! is set. If no differences to an already existing address file are identified, this is activated without a !. If the program identifies differences to an already existing address file (mandatory fields are the same), the loaded address data are saved in the input fields, the column in the selection field remains empty and the ! to save is set. In this case, the user must decide which address is used; this is then saved and used for other applications.

There are three options here:

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No further actions and upload -> for the actual upload, the address that has been imported is used; the original version remains saved in the template.
Save the data and upload -> for the current upload, the address that has been imported is used; the newer (imported) version is saved in the template.
Load the saved address file from the selection menu and upload -> the newly loaded address is rejected, and the address data (from the template) already saved in the upload is used.

4.2.4 Exporting address data

Use the "Export address data" function to export specific individual address data from an existing address list.

To do this, select the required addresses in the list and then start export with .
Several addresses can be selected and exported into a new file.

Select the language to be exported..
Musterfirma; Hauptstr. 12; 12345 Musterstadt
OEM Name; OEM Street and number; 12345 OEM City
Siemens AG; Frauenauracher Str. 80; 91056 Erlangen

The generated, new file has the name "oem.xml", "dealer.xml" or "enduser.xml" – and is saved in a folder ….>.locals > data > EXPORTS (default setting). These files can then be directly imported into a "SINUMERIK HMI Operate", for example.

4.3 Machine parts list

If there is already a machine parts list, then this can be loaded into the program with ***"Load parts list"***.
Several formats can be selected as templates. .xls, .csv or .xml can be selected as file format.

Several partial part lists with different formats can also be loaded one after the other. If there are already part list components in the machine part list of identSNAPSHOT, when attempting to load additional part list components, you are prompted as to whether these should be added to the already existing part list components.
If you answer this question with "No", then the existing part list components are deleted and the new part list components are entered.
If you answer "Yes", then a check is made as to whether the new part list components are already available. Already existing part list components are listed, and you can select as to whether these should be read in or not.

The following options are available:

- ***"Add selection and close"***, only the part list components with checkmark are added
- ***"Add all and close"***, all part list components are added
- ***"Add none and close"*** no part list components are added

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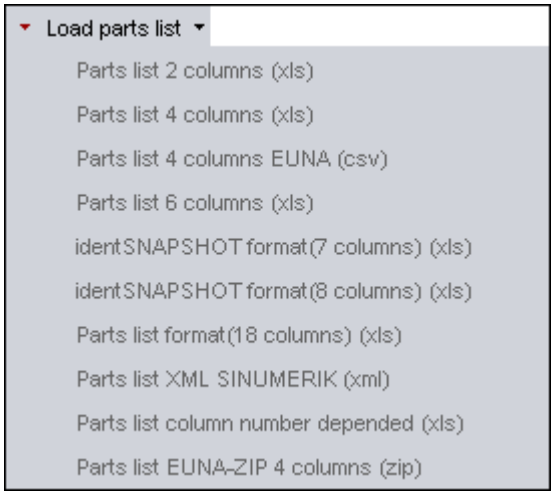

Load parts list
Parts list 2 columns (xls)
Parts list 4 columns (xls)
Parts list 4 columns EUNA (csv)
Parts list 6 columns (xls)
identSNAPSHOT format(7 columns) (xls)
identSNAPSHOT format(8 columns) (xls)
Parts list format(18 columns) (xls)
Parts list XML SINUMERIK (xml)
Parts list column number depended (xls)
Parts list EUNA-ZIP 4 columns (zip)

The templates (menu entries) define column headers or xml tags and the file formats of the file to be loaded.

The tooltips associated with the particular templates contain the names of the column headers or xml tags. This means that you can check as to which columns should be taken into account for the template.

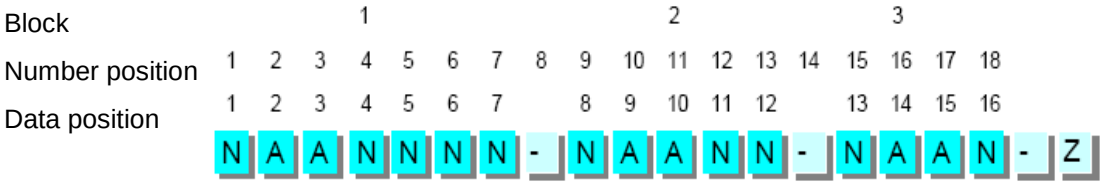
If your file does not contain a column designation, then this is simply skipped. If your file contains columns that are not available in the template, then these are also skipped.

If additional templates are to be defined, then this can be realized using the appropriate extension of the file "Siemens.ARSIS.Parts.Config.xml". See the following chapter for the structure of the schematic.

You can define other part list configurations yourself. The templates described here are not complete, and are only intended to serve as examples.

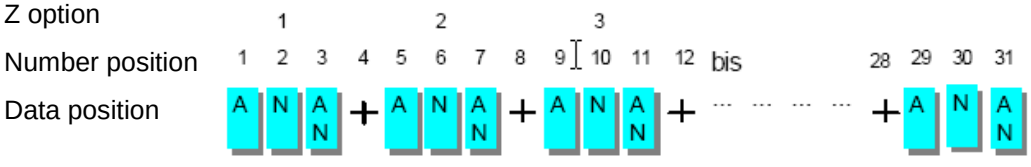
The notation for article numbers refers to the ”*SIEMENS manual for machine readable product codes*“, where uppercase and lowercase syntax and delimiter symbols are not relevant.

An MLFB is structured as follows:



The extension with –Z is optional, and is only required if Z options are involved.

A maximum of 32 Z options are possible. For automatic data processing, Z options should be specified as follows:



Legend:

A	Alphanumeric position without "O" (for Z OPTIONS ANA without ”I” and ”O”)
N	Numerical position
-	Separator (hyphen)
+	Separator (plus character)
-Z	2-character mandatory character for "special versions"

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Z options can be read in different ways. Either these are added to the article number (for example: 6SL3120-2TE21-0AA3-Z M01+G01), or they are inserted in the table column for Z options (for example *MLFB*: 6SL3120-2TE21-0AA3-Z; *Z option*: M01+G01), if you are using a template, which supports the column: Z option.

MLFB	Z-Option
6SL3120-2TE21-0AA3-Z M01+G01	

or

6SL3120-2TE21-0AA3-Z	M01+G01

The entries for "**Equipment**" from the parts lists will not be displayed in identSNAPSHOT because the parts list does not refer to o n e attachment.

In order to retain any data that you have supplemented or changed also after a program update, you should only make such changes in the configuration files in the directory "private_configuration".

4.3.1 Parts list, 2-column

The "Siemens.ARSIS.Parts.Config.xml" file is in the "configuration" folder. The designations for "equipment" and "MLFB" can be specified in this file for the particular language. In this case, e.g. for German, "Anlage" and "MLFB".
Please take note that the section with the respective selected language is used. For example with the set language "Deutsch" (German), the terms "Anlage" (Equipment) and MLFB are expected in the Excel file.

The list column in which these terms are then written is not important. The reason for this is that the program searches the list for these terms and then appropriately assigns the data to these columns.

	A	B
1		
2		
3	Equipment	MLFB
4	Sample_MLFBs_611	6SN1115-0AA12-0AA0
5	Sample_MLFBs_611	6SN1118-0AD11-0AA0
6	Sample_MLFBs_611	6SN1118-0AD11-0AA1
7	Sample_MLFBs_611	6SN1118-0DG12-0AA0
8	Sample_MLFBs_611	6SN1118-0DG22-0AA1

4.3.2 Parts list, 4-column

The 4-column parts list, analog to the 2-column parts list, is structured with the additional information for "Description" and "Quantity".

```
<Key Name="en">
  <Val Name="DisplayedText" Value="Parts list 4 columns"/>
  <Key Name="Schema">
    <Val Name="Description"                Value="Description" />
    <Val Name="MLFB"                       Value="MLFB" />
    <Val Name="Quantity"                   Value="Quantity" />
    <Val Name="Equipment"                  Value="Equipment" />
  </Key>
</Key>
```


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4.3.3 Parts list, 6-column

For the 6-column parts list, there is also "Comment" and "Unique".

```
<Key Name="en">
  <Val Name="DisplayedText" Value="Parts list 6 columns"/>
  <Key Name="Schema">
            <Val Name="Description"          Value="Description" />
            <Val Name="MLFB"                 Value="MLFB" />
            <Val Name="Quantity"             Value="Quantity" />
            <Val Name="Equipment"            Value="Equipment" />
            <Val Name="Comment"              Value="Comment" />
            <Val Name="Unique"               Value="Unique number" />
  </Key>
</Key>
```

4.3.4 Parts list, 4-column EUNA

This format was specified in order to be able to directly read-in CSV files, such as those used for EUNA.

```
<Key Name="en">
  <Val Name="DisplayedText" Value="Parts list 4 columns EUNA"/>
  <Key Name="Schema">
    <Val Name="Unique"                   Value="Unique number" />
    <Val Name="MLFB"                     Value="MLFB" />
    <Val Name="Quantity"                 Value="Quantity" />
    <Val Name="Z-Option"                 Value="Z option" />
  </Key>
</Key>
```

4.3.5 Parts list, XML SINUMERIK

This parts list contains information that is generated by the SINUMERIK control and is available as XML file. These are: "Quantity", "MLFB", "Version", "Description" and "Unique".

```
<Key Name="en">
  <Val Name="DisplayedText" Value="Parts list XML SINUMERIK"/>
  <Key Name="Schema">
    <Val Name="Quantity"          Value="Config/Versions/Component/Quantity" />
    <Val Name="MLFB"              Value="Config/Versions/Component/MLFB" />
    <Val Name="Version"           Value="Config/Versions/Component/HW-Version" />
    <Val Name="Description"       Value="Config/Versions/Component/Name" />
    <Val Name="Unique"            Value="Config/Versions/Component/SerialNo" />
  </Key>
</Key>
```


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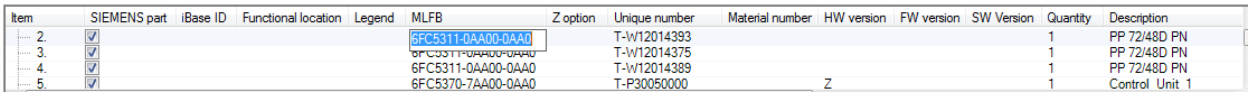
4.3.6 Parts list column number depended e. g. from SAP

This allows processing of parts lists that have been generated from SAP, for example. The data read in are: “Quantity”, “MLFB” and “Description”. Additionally, the columns for “Equipment”, “Comment”, “Z Option”, “Version” and “Unique” may still be entered.
The corresponding column number is entered as a column parameter.

```
<Key Name="en">
  <Val Name="DisplayedText" Value="Parts list column number depended"/>
  <Key Name="Schema">
    <Val Name="Quantity"            Value="12" />
    <Val Name="MLFB"                Value="4" />
     <Val Name="Description"        Value="6" />
  </Key>
</Key>
```

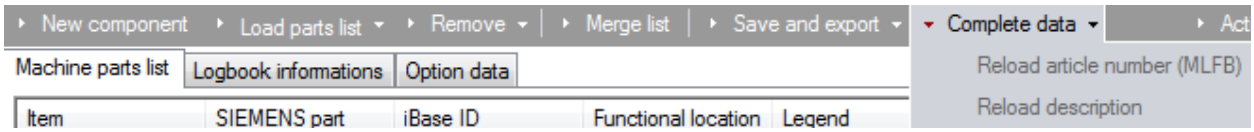
4.3.7 Editing the list data

After a list has been loaded, its data can either be manually changed or supplemented.



The text boxes open if you click on the input button of a line that was previously marked.

When entering data, the program checks the article numbers (MLFBs) as to whether these correspond to the Syntax of a SIEMENS article number. If yes, then the "SIEMENS part" checkmark is set - or if they do not match, then the checkmark is removed. The reason for this is that also non-SIEMENS parts can be included in the list; however, they are not taken into account in a subsequent validity check.



- A new line to manually enter data for a new component is attached at the end of the list using the ***"New component"*** button.

- A component in the list is removed using ***"Delete component"***.

- The ***"Merge list"*** button combines lines with the same “*article number*” and “*description*” and enters the sum in the "*quantity*" column. Lines with values in the "*serial number*" column are the exception.
  If there are lines with the same serial number, these are combined, the quantity remains at 1. For several identical serial numbers and different article numbers, a message is displayed that this is only seldom possible.

- **"Reload article number (MLFB)"** is available under **"*Complete data*"** for all lines in which there is only one material number or unique number.
  Further, for a line marked, with ***"Reload description"*** the product information for the selected part can be subsequently loaded. If a line has not been marked, then information available for all of the lines are subsequently loaded into the machine. If a text already exists in the "Description" column, then this is shifted into the "Comment 5" column. Depending on the number of parts, this operation can take some time.

- The input option ***”Activate data acquisition“, ”Permanent acquisition“*** allows several components to be quickly entered using a handheld scanner. A new text box is opened in which the da-

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ta that have been read-in are displayed, analyzed and depending whether article number, serial number or both, are inserted in the relevant columns. When scanning we recommend that the MLFBs are first scanned and then the serial numbers. Material numbers are also identified based on the syntax, and are written to the column intended for the purpose. Also in this mode, data can be manually entered.
After entering data into the text box, a new line is attached at the end of the list.
Data that has 1P and then the MLFB syntax - or directly start with the MLFB syntax - are recognized as article numbers (MLFBs). For instance, 6FC1234.
Serial numbers are identified as such if these start with S and have a letter as second character.
Whether the article number or the serial number is entered first is the same for each data set of a module.
At least one serial number must be read in per list item. Article numbers – if available – are supplemented by a Web service prior to the data upload.
If at least two part or serial numbers are entered one after the other, a new line is attached for each value.
For a combination of article number and serial number from the matrix code, the article number must start with 1P and the serial number with S, and both must be linked with a + without any spaces. The program then writes the data into the associated columns.
Data, which are not identified as either article number or serial number, are written as non-SIEMENS article number in the article number column.
The position number is automatically incremented, the value for "Equipment" is taken from the previous line and the quantity is set to 1.
If a serial number is present in a line, the quantity can only have a value of 1.

- With ***"Delete BOM component"*** for example, a part that has been removed can be deleted from the parts list. This is realized as soon as the serial or article number of the part is identified in the existing parts list. At the same time, a new logbook entry is created, in which the removal of the part is documented. In addition to the comment, the date, name and department is also documented in the logbook entry.
  If an associated serial or article number is not identified, then the message "article number or unique number xy not in bill of material" is output and no additional action is performed.

- For ***"Add BOM components"*** a new part is added to the parts list. All data are written to the columns intended for the purpose, and this is also documented as comment in the logbook. If a current logbook entry is not open, then a new logbook entry is created.
  By deleting and reading in the part list element, a component replacement can be quickly documented in the logbook, and the machine parts list kept up-to-date.

- This data acquisition mode is exited and the additional text box is closed with ***"Continuous recording data xy off"***.

  The scanner must be set so that an "input signal" is also transferred at the end of the data telegram.

- ***"column selection"*** can be used to show or hide individual columns of the parts list display.

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4.3.8 Scanner

We recommend that SIMATIC Ident handheld scanning systems are used to reliably determine all of the codes of the Siemens products error-free.

SIMATIC MV320 The following are included in the scope of delivery of the SIMATIC MV320 scanner: ● SIMATIC MV320 handheld scanner with USB cable (1.8 m) Depending on the version ordered, the scanner is supplied with a USB cable for the USB port. Article number: 6GF3320-0HT01 RS 232 cable (2.4m spiral cable) for RS-232 interface is available as accessory (power supply unit required) Article number: 6GF3320-0AC03 Power supply unit, EU for RS 232 Article number: 6GF3020-0AC40-0AP2 Power supply unit, USA for RS 232 Article number: 6GF3020-0AC40-0AP1 Metal holder for MV320 Article number: 6GF3320-0AC07 Also see Catalog ID10 Page 5/36	
SIMATIC MV325 The following are included in the scope of delivery of the SIMATIC MV325 scanner: ● Handheld SIMATIC MV325 scanner with charging station and USB cable (0.9 m) The charging station is equipped with a USB host interface and Blue-tooth wireless interface. Article number: 6GF3325-0HT01 Also see Catalog ID10 Page 5/37	

The current edition of the operating instructions is available on the Internet pages of the Siemens Industry Online Support under the following entry ID:85219368
(http://support.automation.siemens.com/WW/view/en/85219368)

4.3.9 Output of the machine parts list

Outputting of the machine parts list can be executed with the menu ***"Save and export"***, "***Export to Excel"***. All information from the list is transferred to the Excel sheet in this case. This sheet can then be saved under any name.
"Save machine parts list" saves the complete machine parts list and the associated XML machine file. Modified address or machine data are not saved here. A complete machine file is saved if an XML file is still not available.

4.4 Machine log

Under tab "***Log information"*** all existing log entries are displayed.
Changing or deleting of these entries is then no longer possible.
With ***"New log entry"*** a new entry can be added. The next text box is opened in the logbook line using the Ctrl + Return key combination. As long as identSNAPSHOT is opened with the currently operating machine, the data entered can be changed or deleted.
With ***"Export log entries"*** log entries can be generated and exported in Excel or PDF format.
The function ***"Create log"*** generates a complete log in PDF format with the contents such as machine, address and parts list data as well as log entries.

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If there is a ***"customer_logo.jpg" (250x130)*** file in the "***LOGO"*** directory this image is integrated in the cover sheet of the log. This enables the company logo of the OEM or customer to be transferred to the log.
"Save log information" writes all log entries into the corresponding XML machine file. After saving and exiting the program, changes in log entries can no longer be executed.
With ***"Data for end user notification***" an input window is opened, in which information regarding the final destination notification information can be entered. This information is also saved in the associated machine file and is entered into this when generating the logbook.
All of the data in the input screen form are deleted by pressing ***"New machine"***. If a machine file that contains data for the final destination is loaded, then this data is entered into the input screen form.

4.5 Option data of the controller

The ***"Option data"*** tab shows which options are active in a controller. The name, hardware ID and article number (MLFB) are shown for each option.
This data can only be loaded by means of an XML file and cannot be edited.
The license key and the memory ID are also loaded from the XML file.
If there is no data for these in the file, it can be entered manually in the input fields.
This data is also written to the XML file with ***"Create machine file"***.
The option data is also written to the logbook when generating the logbook with ***"Create logbook"***.

4.6 Contract data of the plant

If there is service contract data in the file loaded from iBase **S**ervice **P**lattform **I**ndustrie, this is displayed in the ***"Contract data"*** file. Contract data cannot be edited or changed manually.
If there are several contracts, the data is listed in lines.
The contract data is also written to the logbook when generating the logbook with ***"Create logbook"***.

The following is displayed:

- Contract type
- Contract subtype
- Start of contract (second commissioning)
- End of contract
- Contract partner, customer
- Contract partner, Siemens AG
- Contract status

5. Extending available languages

The following steps must be taken if a new screen language is to be included for the program:

- The xml language files for the languages that are already available are located in the "Localization" folder.

(in this case, for German and English)

- Copy one "common_xx.xml", "identSNAPSHOT_xx.xml" and one "identSNAPSHOTApp_xx.xml" and replace the identifier xx by the country language code of your new language. You can find this code in the Internet under "Two letter country code ISO 3166".
  e.g.: http://www.iso.org/iso/country_names_and_code_elements

- After copying and renaming the file, open this and translate the text that is available into your new language.

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```
<?xml version="1.0" encoding="utf-8"?>
<root>
  <section name="equipment_pass">
    <data name="Label_CUSTOMER_CONTACT">Kontakt</data>
    <data name="Label_CUSTOMER_COUNTRY">Land</data>
    <data name="Label_CUSTOMER_EMAIL">E-Mail Adresse</data>
    <data name="Label_CUSTOMER_FAX">Faxnummer</data>
    <data name="Label_CUSTOMER_NAME">Name</data>
    <data name="Label_CUSTOMER_NUMBER">Kundennummer</data>
    <data name="Label_CUSTOMER_PHONE">Telefonnummer</data>
    <data name="Label_CUSTOMER_PLZ">PLZ</data>
    <data name="Label_CUSTOMER_STATE">Bundesland</data>
    <data name="Label_CUSTOMER_STREET">Straße</data>
    <data name="Label_CUSTOMER_TOWN">Stadt</data>
    <data name="Label_CUSTOMER_WEB">web-Adresse</data>
```

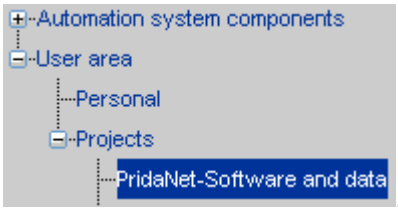
- After making the changes, save all of the texts and close the file.
- After the program starts, your new language will also be displayed in the drop-down list box under "Language" and can be selected.
- The operating system language of Windows that is being used defines the language in which this drop-down list box is displayed. The same applies for the language of the calendar used to select the date.

If another language is also to be provided for the available machine parts lists, Chapter 4.3, then this can be done by copying, inserting an appropriate XML area and renaming the language and the terms.
Or the language designation e.g. "en" is renamed with the new language designation. The same can be applied to the contents in the lines under value="XXXXX".

```
</Key>
<Key Name="en">
    <Val Name="DisplayedText" Value="Partlist 2 columns"/>
    <Key Name="Schema">
      <Val Name="Equipment"       Value="Equipment" />
      <Val Name="MLFB"            Value="MLFB" />
    </Key>
  </Key>
```

If you wish to make these new language files accessible to other users, then you can mail these back to headquarters in the SIEMENS Intranet using the feedback function of PridaNet

https://PridaNet.automation.siemens.com/PridaWeb/

Here, these language files are saved for further use under download 

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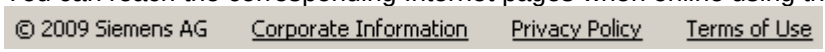
6. Usage and data privacy conditions

Please refer to the current Internet pages for the conditions to use this program. The same is true for the conditions relating to data privacy.
You can reach the corresponding Internet pages when online using the buttons



at the lower edge of the program screen.
A message is displayed if your PC is not online and connected with the Internet.

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